(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 12 May 2005 (12.05.2005)

PCT

(10) International Publication Number WO 2005/042575 A3

- (51) International Patent Classification7: C07K 14/52, A61K 38/18, C07K 7/06, 7/08, 14/435, A61K 39/00, 48/00, 39/385, 38/19
- (21) International Application Number:

PCT/DK2004/000741

- (22) International Filing Date: 28 October 2004 (28.10.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PA 2003 01612 60/516,596

30 October 2003 (30.10.2003) DK 31 October 2003 (31.10.2003)

- (71) Applicant (for all designated States except US): PHARMEXA A/S [DK/DK]; Kogle Allé 6, DK-2970 Hørsholm (DK).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): RASMUSSEN, Peter, Birk [DK/DK]; c/o Pharmexa A/S, Kogle Allé 6, DK-2970 Hørsholm (DK). DAL DEGAN, Florence [FR/DK]; c/o Pharmexa A/S, Kogle Allé 6, Dk-2970 Hørsholm (DK). RENARD, Valery [FR/DK]; c/o Pharmexa A/S, Kogle Allé 6, DK-2970 Hørsholm (DK). KLYSNER, Steen [DK/DK]; c/o Pharmexa A/S, Kogle Allé 6, DK-2970 Hørsholm (DK). VOLCK, Birgitte [DK/DK]; c/o Pharmexa A/S, Kogle Allé 6, DK-2970 Hørsholm (DK).

- (74) Agent: INSPICOS, A/S; Bøge Allé 5, P.O. Box 45, DK-2970 Hørsholm (DK).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of
- (88) Date of publication of the international search report: 23 June 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR DOWN-REGULATION OF VEGF

(57) Abstract: The present invention provides for novel immunogenic variants of VEGF (vascular endothelial growth factor) which are useful in active specific immunotherapy against diseases that are characterized by overexpression of VEGF. The invention also relates to methods of treating such diseases (for instance cancer) as well as to various tools in molecular biology that assist in the provision of the immunogenic variants.

